

Title (en)  
MOTOR DRIVE ASSEMBLY

Title (de)  
MOTORANTRIEBSBAUGRUPPE

Title (fr)  
ENSEMBLE D'ENTRAINEMENT PAR MOTEUR

Publication  
**EP 1897205 B1 20110202 (EN)**

Application  
**EP 06741521 A 20060518**

Priority  
• CA 2006000809 W 20060518  
• US 68922105 P 20050610

Abstract (en)  
[origin: WO2006130954A1] An electronic control unit (ECU) for a motor is mounted to a drum housing or the like in a plane parallel to the plane defined by the surface of the drum housing on which the motor is mounted. The housing for the motor includes an aperture window. Power contacts from the ECU mate with contacts from the motor through the window. Hall-effect sensors attached to the ECU can extend through the aperture to be proximate a ring magnet attached to the armature shaft of the motor. Alternatively, flux guides attached to the drum housing to transmit magnetic flux information from the motor to the Hall-effect sensors. Alternatively, optical sensors attached to the ECU can detect rotations of a reflector ring attached to the armature shaft through the window.

IPC 8 full level  
**H02K 5/00** (2006.01); **H02K 5/10** (2006.01); **H02K 7/14** (2006.01); **H02K 24/00** (2006.01); **H02P 6/00** (2006.01)

CPC (source: EP US)  
**E05F 15/697** (2015.01 - EP US); **H02K 11/215** (2016.01 - EP US); **H02K 11/38** (2016.01 - EP US); **E05Y 2900/55** (2013.01 - EP US); **H02K 5/225** (2013.01 - EP US); **H02K 7/1166** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**WO 2006130954 A1 20061214**; CA 2610798 A1 20061214; DE 602006019962 D1 20110317; EP 1897205 A1 20080312; EP 1897205 A4 20100428; EP 1897205 B1 20110202; US 2008203835 A1 20080828; US 7812492 B2 20101012

DOCDB simple family (application)  
**CA 2006000809 W 20060518**; CA 2610798 A 20060518; DE 602006019962 T 20060518; EP 06741521 A 20060518; US 91704706 A 20060518